Fraction of events / 1 GeV $pp \rightarrow h \rightarrow 2n_1 \rightarrow 2n_D + 2 \gamma_D \rightarrow 2n_D + 4\mu$ 0.25 $m_h = 125 \text{ GeV}, m_{n_1} = 10 \text{ GeV}, m_{n_2} = 1 \text{ GeV}$ $m_{\gamma_{_{D}}}$ = 0.25 GeV, $c\tau_{\gamma_{_{D}}}$ = 0.05 mm 1st muon (leading p_T)
2nd muon
3rd muon
4th muon 0.2 0.15 0.1 0.05 0 20 40 60 80 100 120 0 of μ [GeV]

CMS Simulation (LHE) 13 TeV